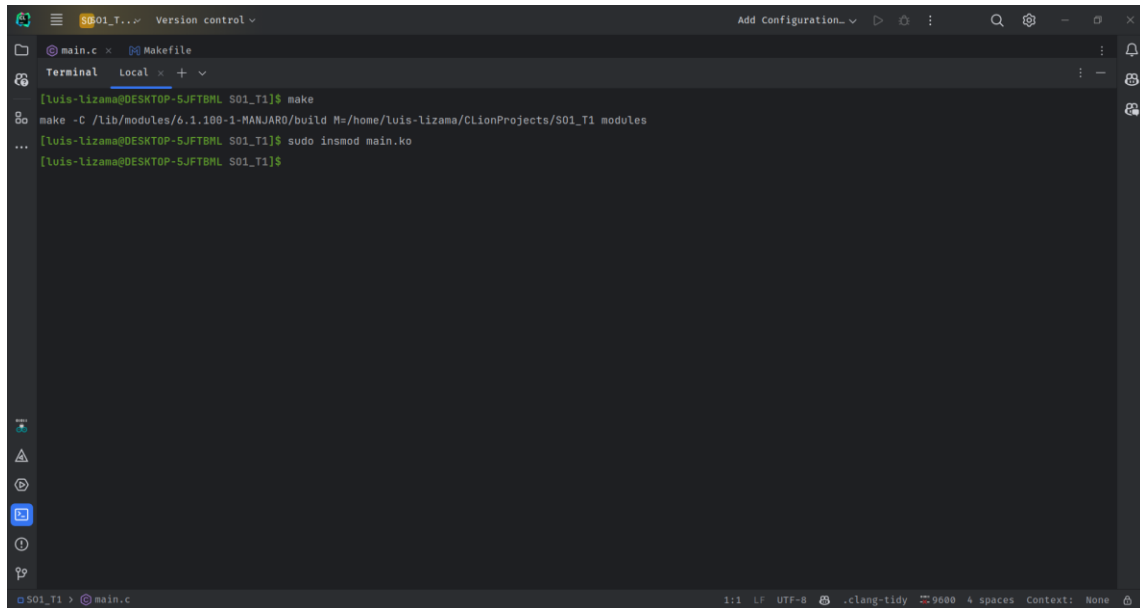


Tarea 1

Instalación del Módulo

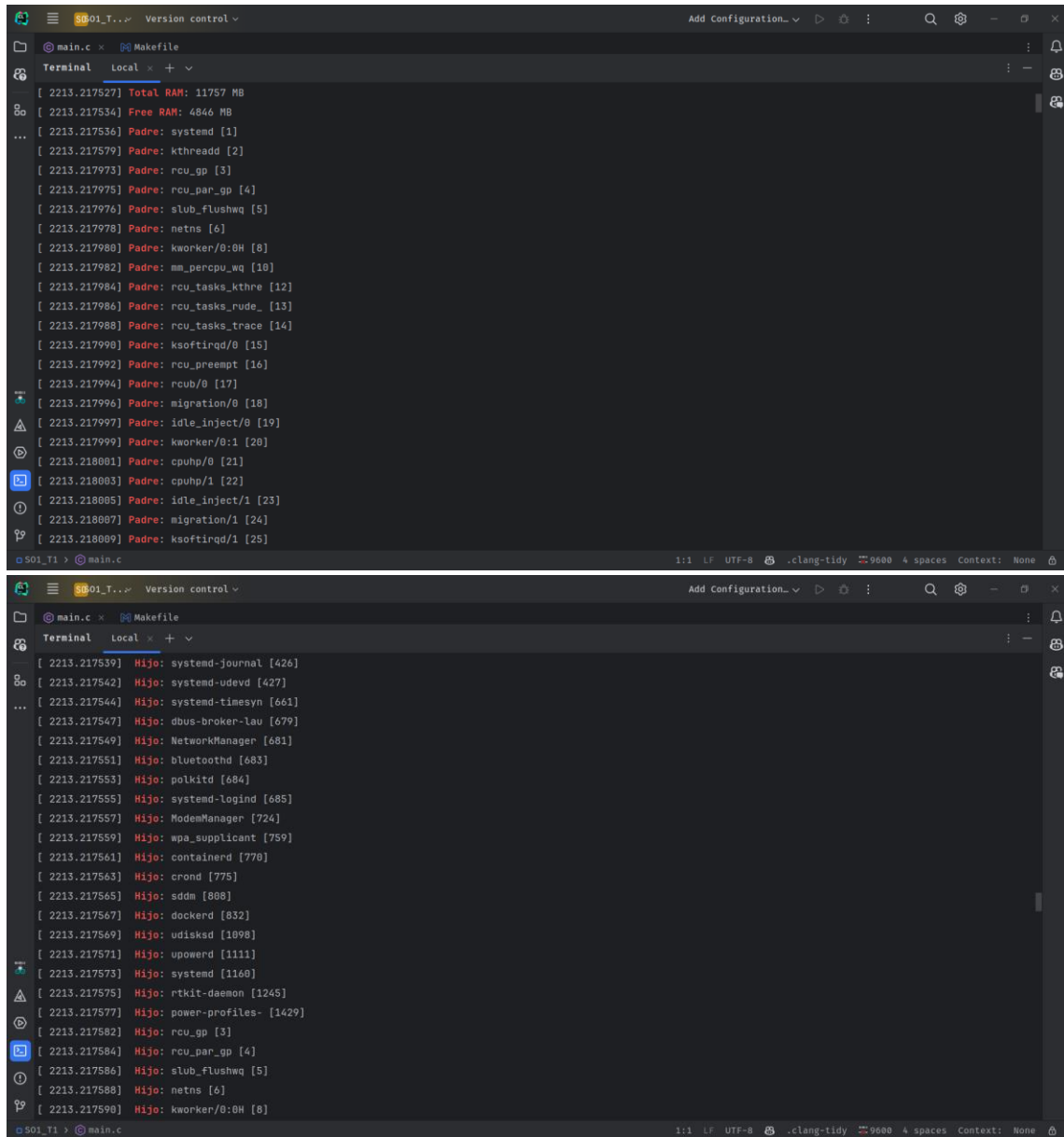


The screenshot shows a Visual Studio Code editor window with a terminal open. The terminal is running a series of commands to compile and install a kernel module. The commands and their outputs are as follows:

```
[luis-lizama@DESKTOP-5JFTBML S01_T1]$ make
make -C /lib/modules/6.1.100-1-MANJARO/build M=/home/luis-lizama/ClionProjects/S01_T1 modules
...
[luis-lizama@DESKTOP-5JFTBML S01_T1]$ sudo insmod main.ko
[luis-lizama@DESKTOP-5JFTBML S01_T1]$
```

The terminal output shows the successful compilation of the module and its installation. The status bar at the bottom indicates the current file is `main.c` and the encoding is UTF-8.

Salida del Proceso



```
SOI_T... Version control
main.c x Makefile
Terminal Local x +
[ 2213.217527] Total RAM: 11757 MB
[ 2213.217534] Free RAM: 4846 MB
[ 2213.217536] Padre: systemd [1]
[ 2213.217579] Padre: kthreadd [2]
[ 2213.217973] Padre: rcu_gp [3]
[ 2213.217975] Padre: rcu_par_gp [4]
[ 2213.217976] Padre: slub_flushwq [5]
[ 2213.217978] Padre: netns [6]
[ 2213.217980] Padre: kworker/0:0H [8]
[ 2213.217982] Padre: mm_percpu_wq [10]
[ 2213.217984] Padre: rcu_tasks_kthre [12]
[ 2213.217986] Padre: rcu_tasks_rude_ [13]
[ 2213.217988] Padre: rcu_tasks_trace [14]
[ 2213.217990] Padre: ksoftirqd/0 [15]
[ 2213.217992] Padre: rcu_preempt [16]
[ 2213.217994] Padre: rcub/0 [17]
[ 2213.217996] Padre: migration/0 [18]
[ 2213.217997] Padre: idle_inject/0 [19]
[ 2213.217999] Padre: kworker/0:1 [20]
[ 2213.218001] Padre: cpuhp/0 [21]
[ 2213.218003] Padre: cpuhp/1 [22]
[ 2213.218005] Padre: idle_inject/1 [23]
[ 2213.218007] Padre: migration/1 [24]
[ 2213.218009] Padre: ksoftirqd/1 [25]
SOI_T1 > @ main.c 1:1 LF UTF-8 .clang-tidy 9600 4 spaces Context: None
```

```
SOI_T... Version control
main.c x Makefile
Terminal Local x +
[ 2213.217539] Hijo: systemd-journal [426]
[ 2213.217542] Hijo: systemd-udev [427]
[ 2213.217544] Hijo: systemd-timesyn [661]
[ 2213.217547] Hijo: dbus-broker-lau [679]
[ 2213.217549] Hijo: NetworkManager [681]
[ 2213.217551] Hijo: bluetoothd [683]
[ 2213.217553] Hijo: polkitd [684]
[ 2213.217555] Hijo: systemd-logind [685]
[ 2213.217557] Hijo: ModemManager [724]
[ 2213.217559] Hijo: wpa_supplicant [759]
[ 2213.217561] Hijo: containerd [770]
[ 2213.217563] Hijo: crond [775]
[ 2213.217565] Hijo: sddm [808]
[ 2213.217567] Hijo: dockerd [832]
[ 2213.217569] Hijo: udisksd [1098]
[ 2213.217571] Hijo: upowerd [1111]
[ 2213.217573] Hijo: systemd [1160]
[ 2213.217575] Hijo: rtkit-daemon [1245]
[ 2213.217577] Hijo: power-profiles- [1429]
[ 2213.217582] Hijo: rcu_gp [3]
[ 2213.217584] Hijo: rcu_par_gp [4]
[ 2213.217586] Hijo: slub_flushwq [5]
[ 2213.217588] Hijo: netns [6]
[ 2213.217590] Hijo: kworker/0:0H [8]
SOI_T1 > @ main.c 1:1 LF UTF-8 .clang-tidy 9600 4 spaces Context: None
```